

Transfer Function 6000 feet 26 AWG telephone cable

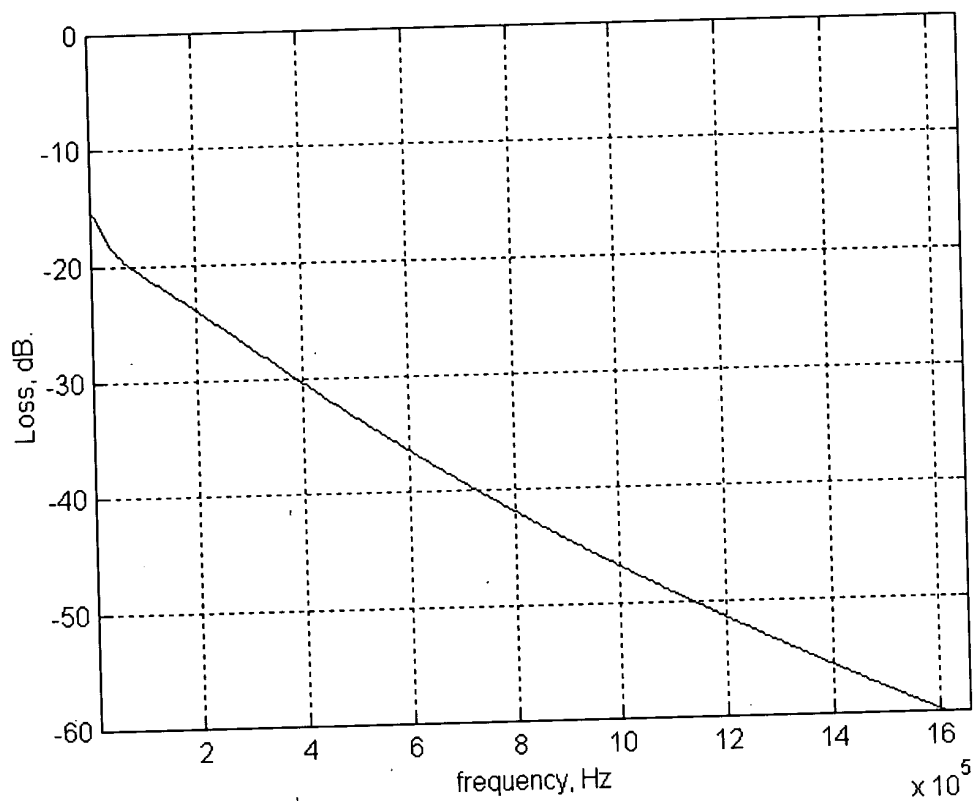


FIG. 1

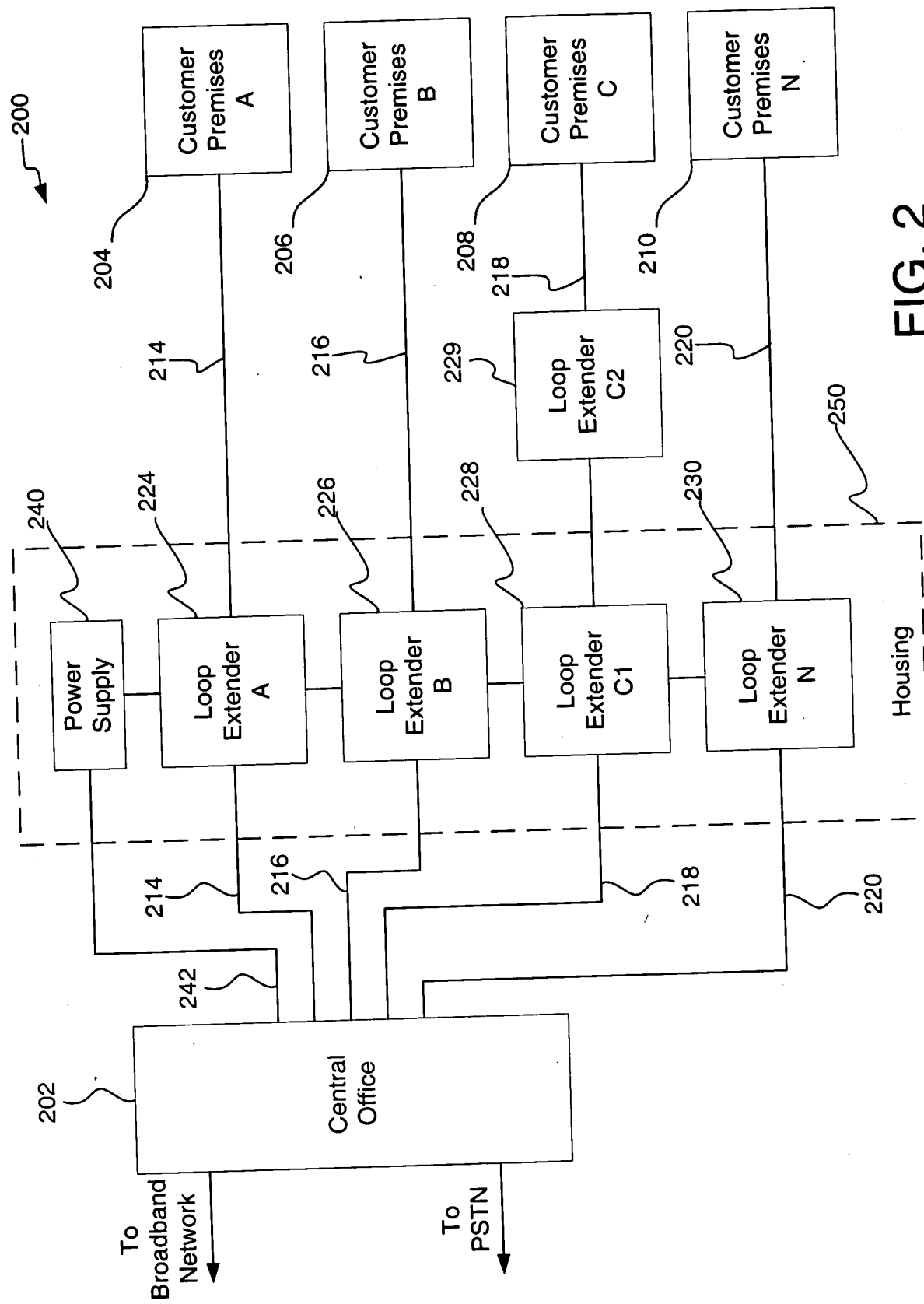


FIG. 2

FIG. 3

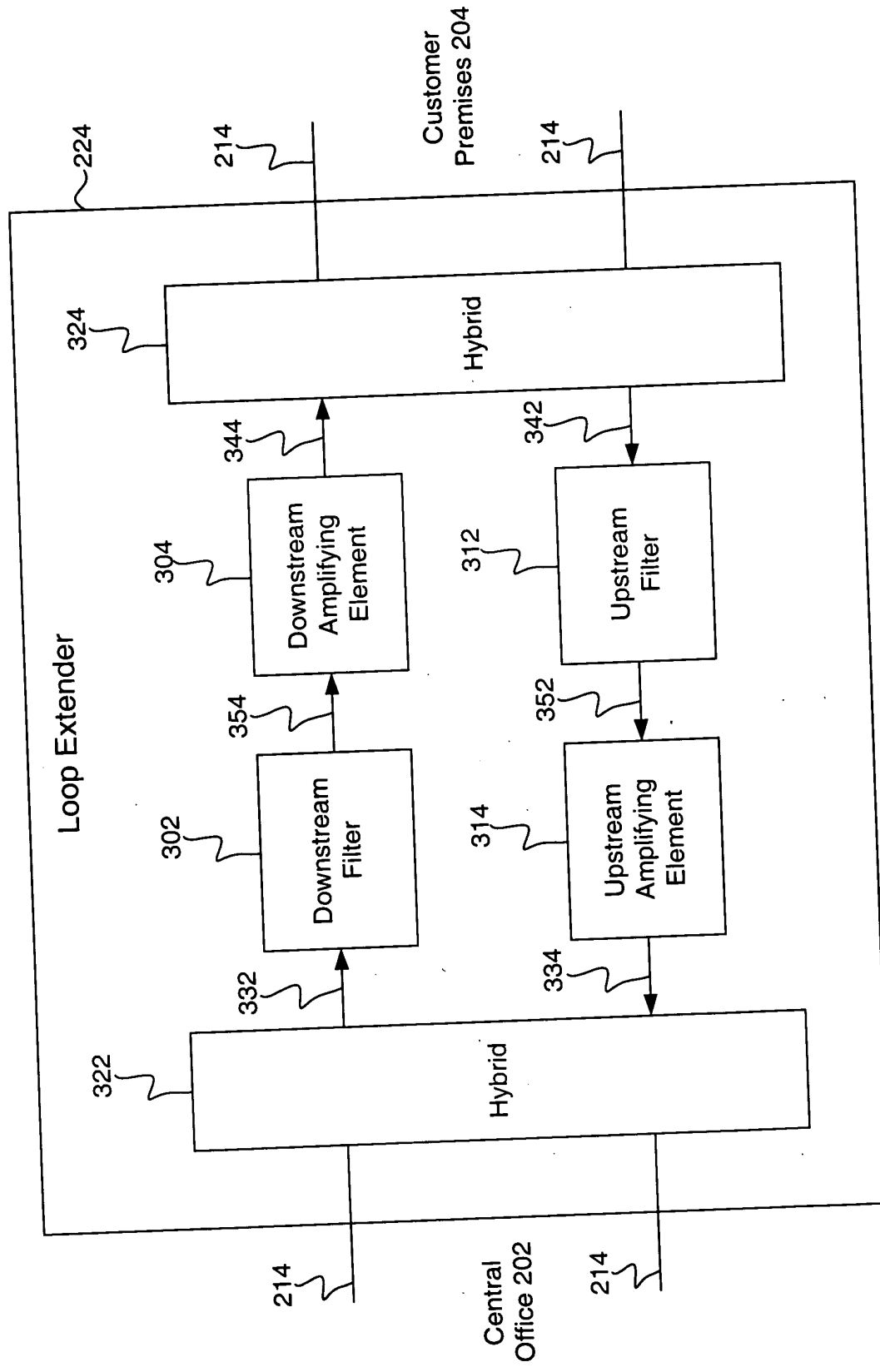


FIG. 3

FIG. 4

224

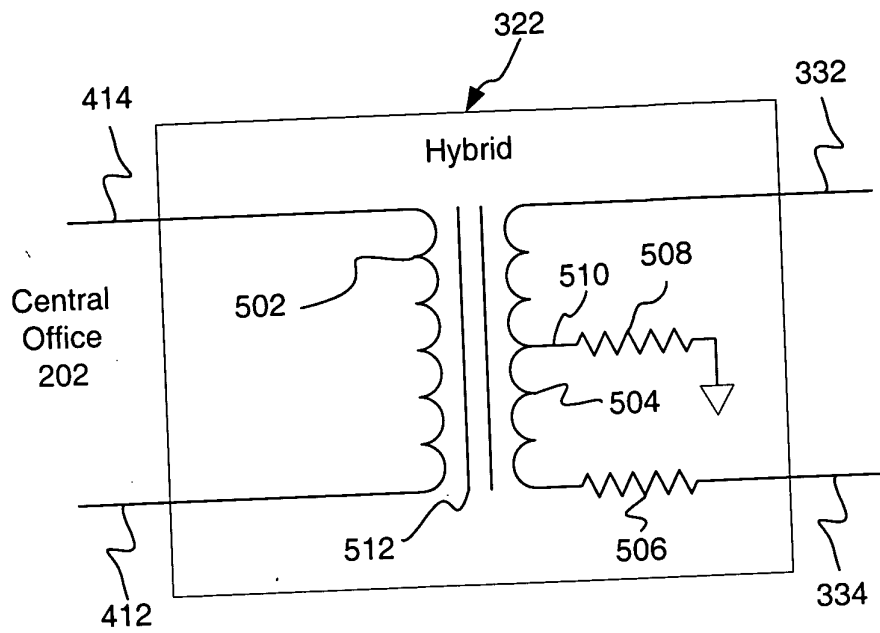


FIG. 5

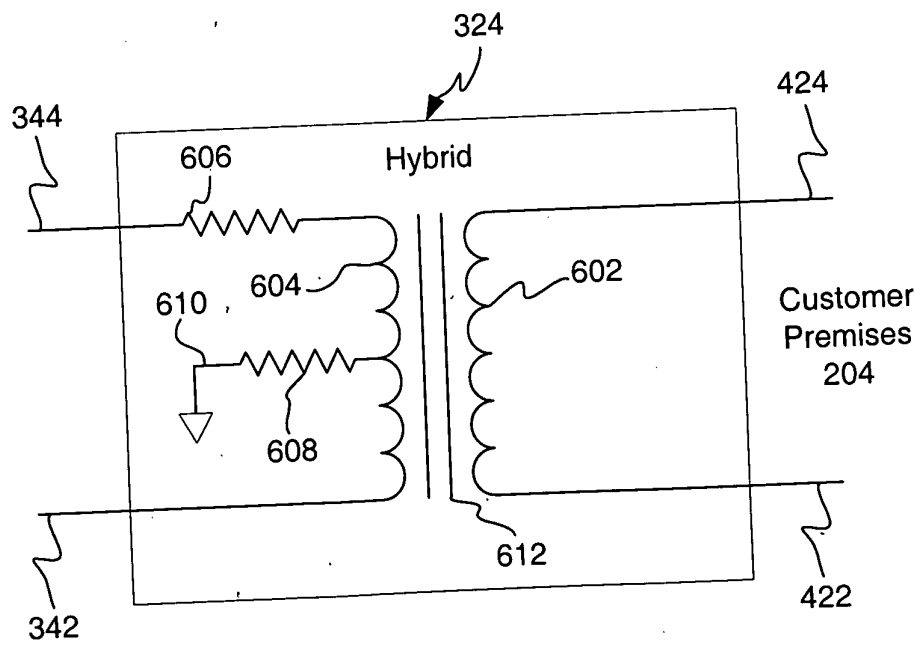


FIG. 6

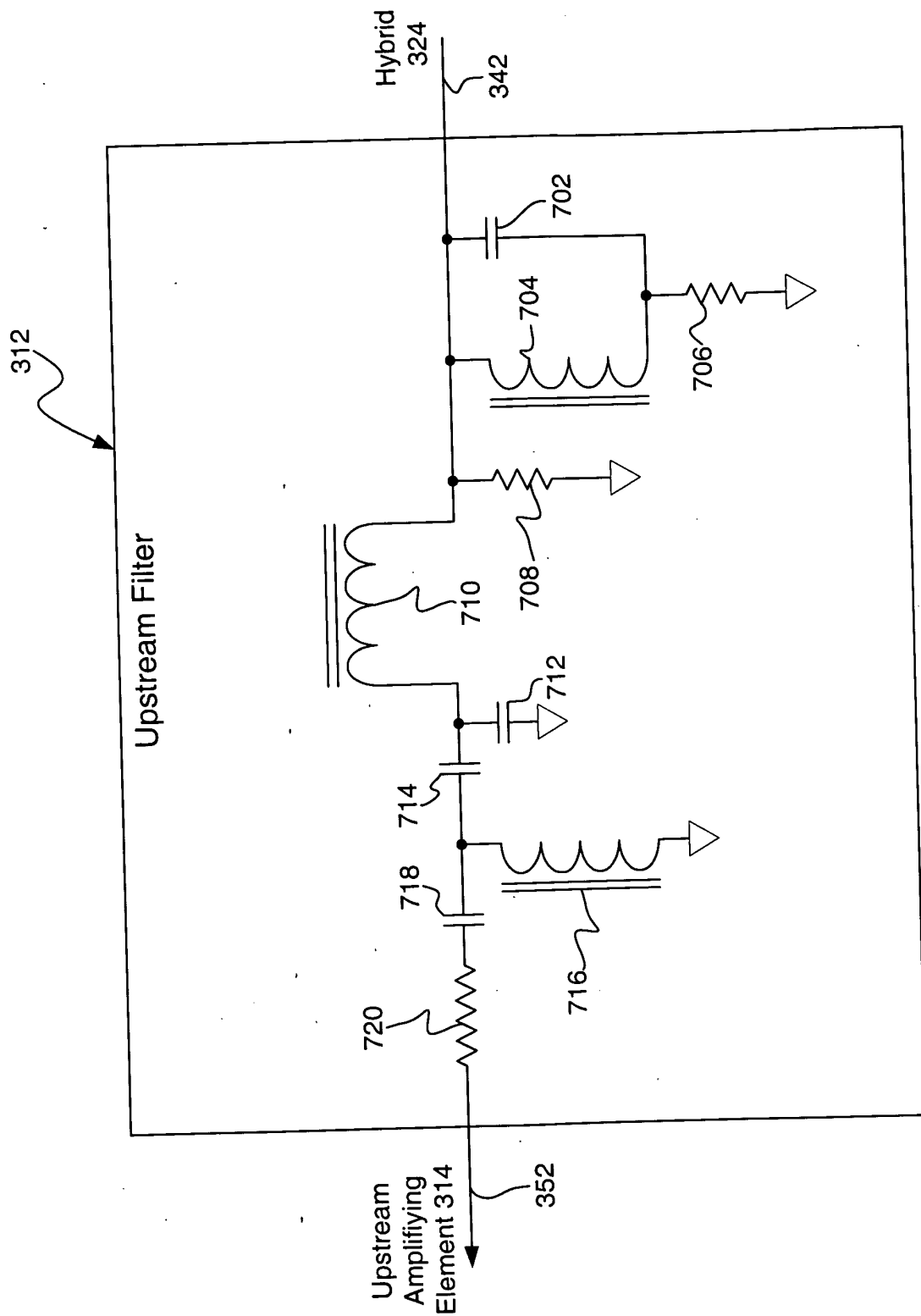


FIG. 7

Upstream Filter

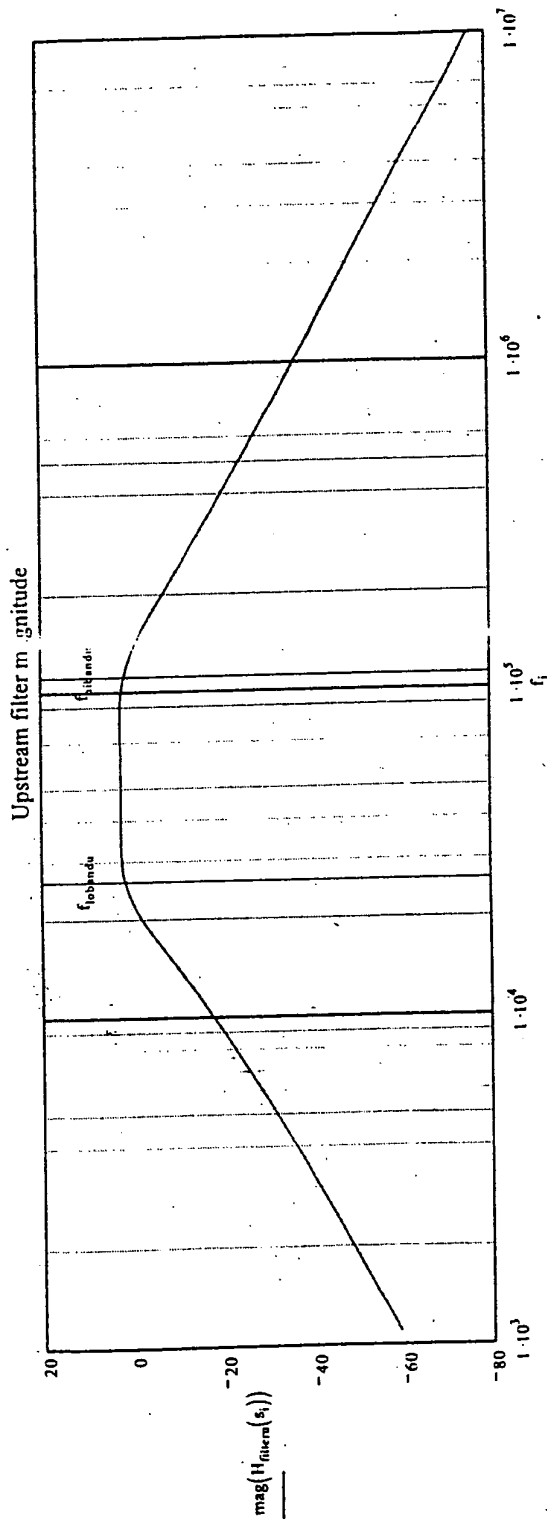


FIG. 8

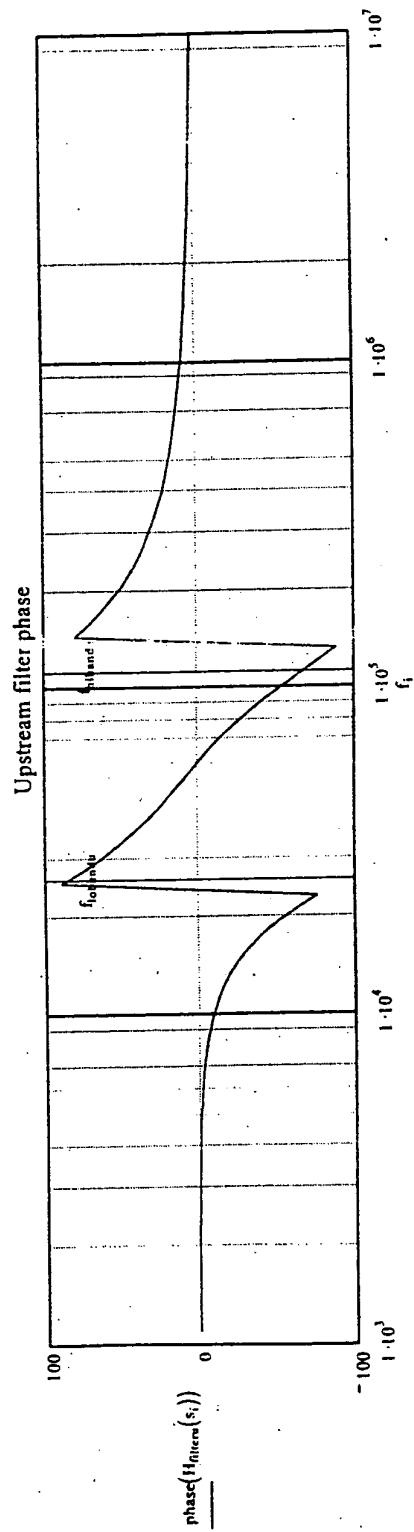


FIG. 9

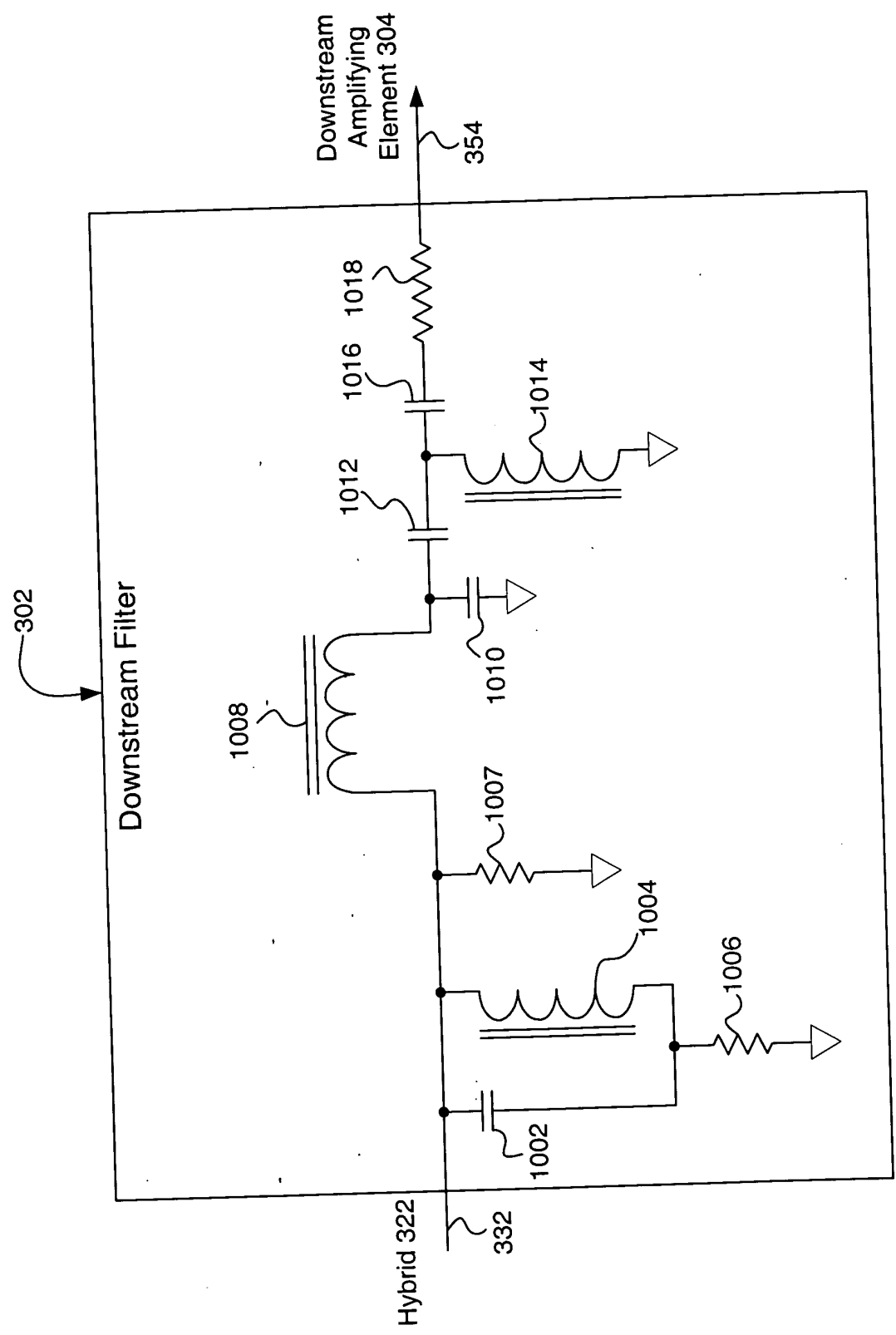


FIG. 10

Downstream Filter

FIG. 11

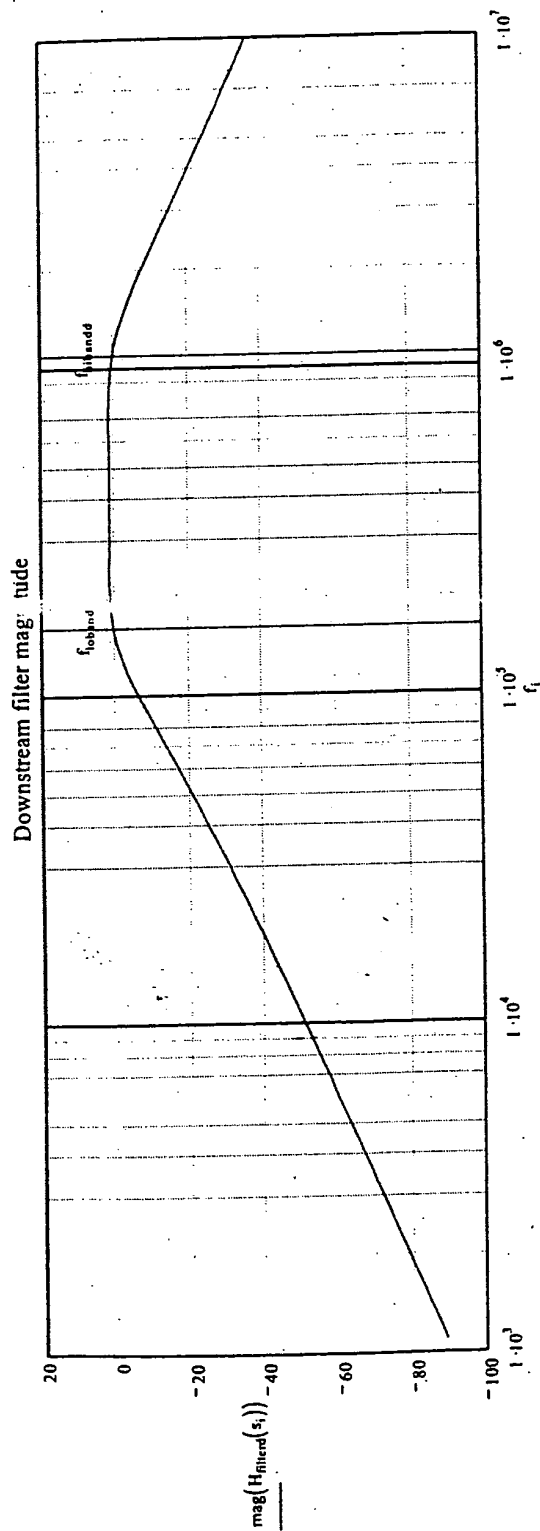


FIG. 11

Downstream filter phase

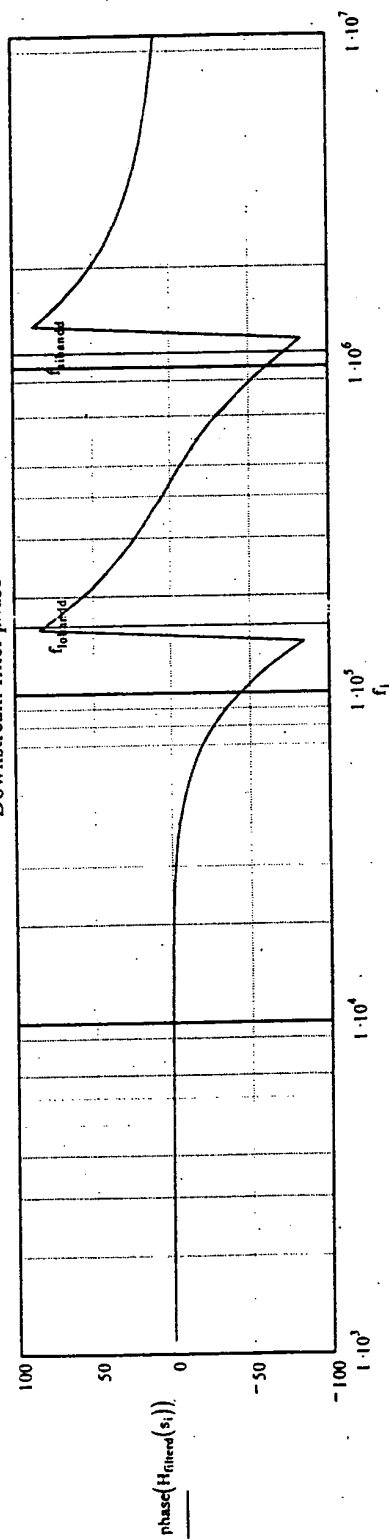


FIG. 12

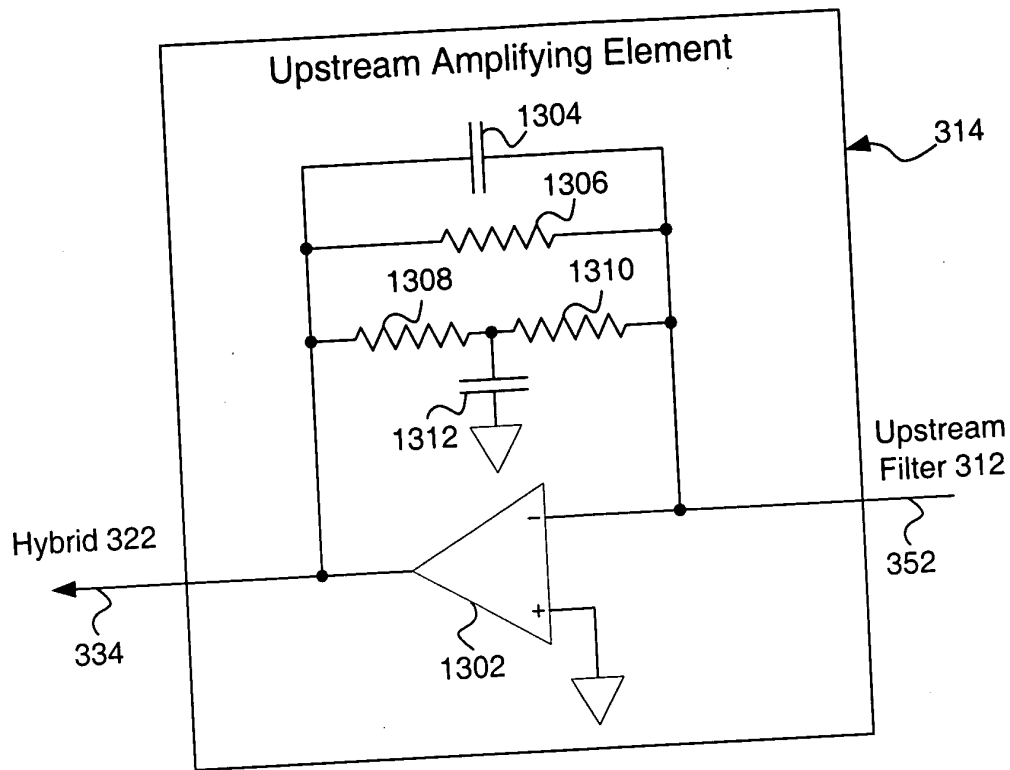


FIG. 13

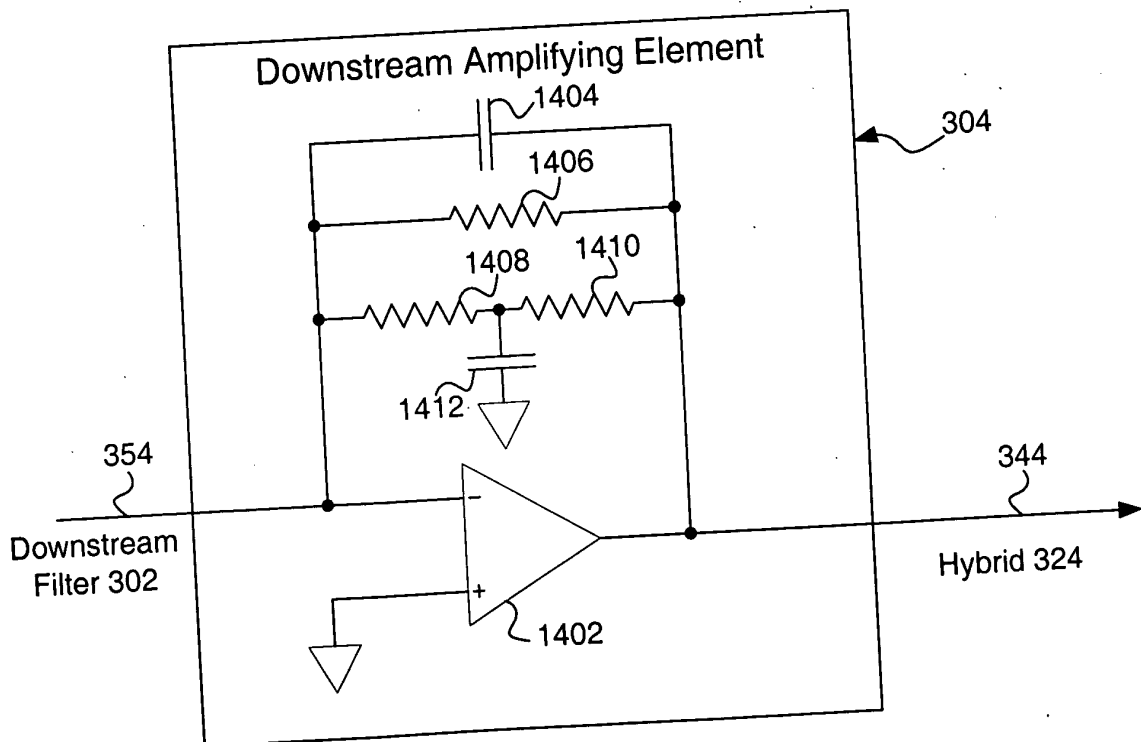


FIG. 14

Upstream Equalizer

FIG. 15

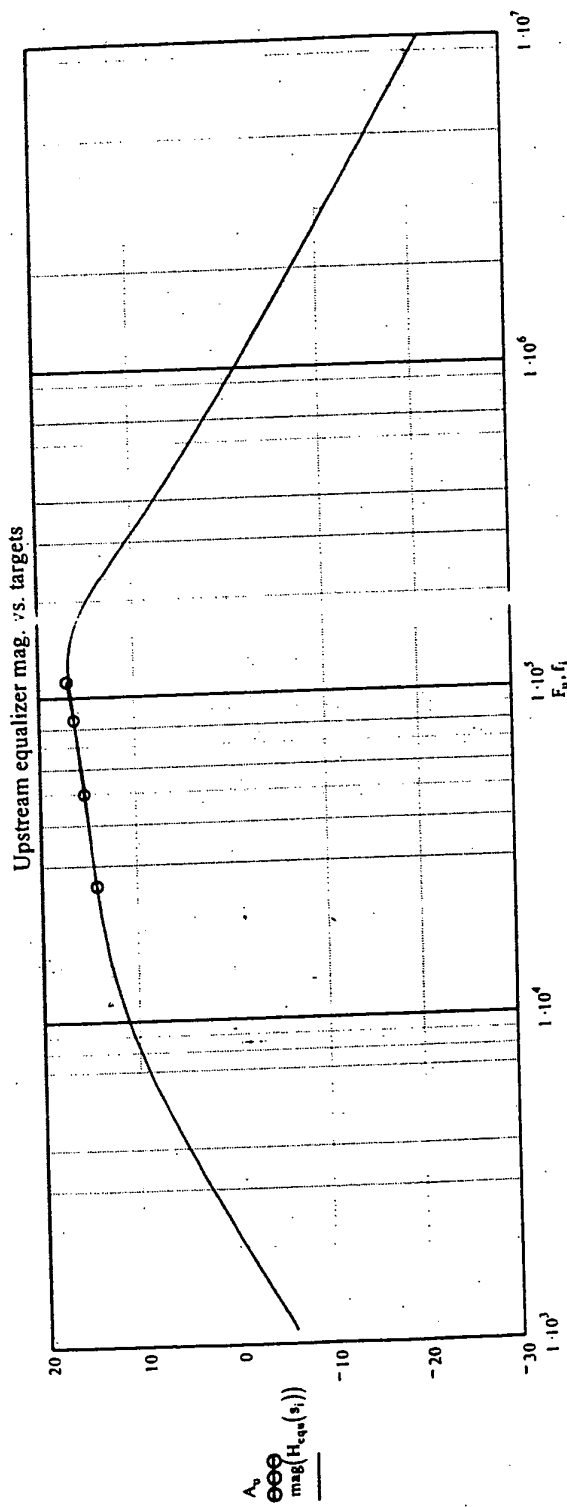
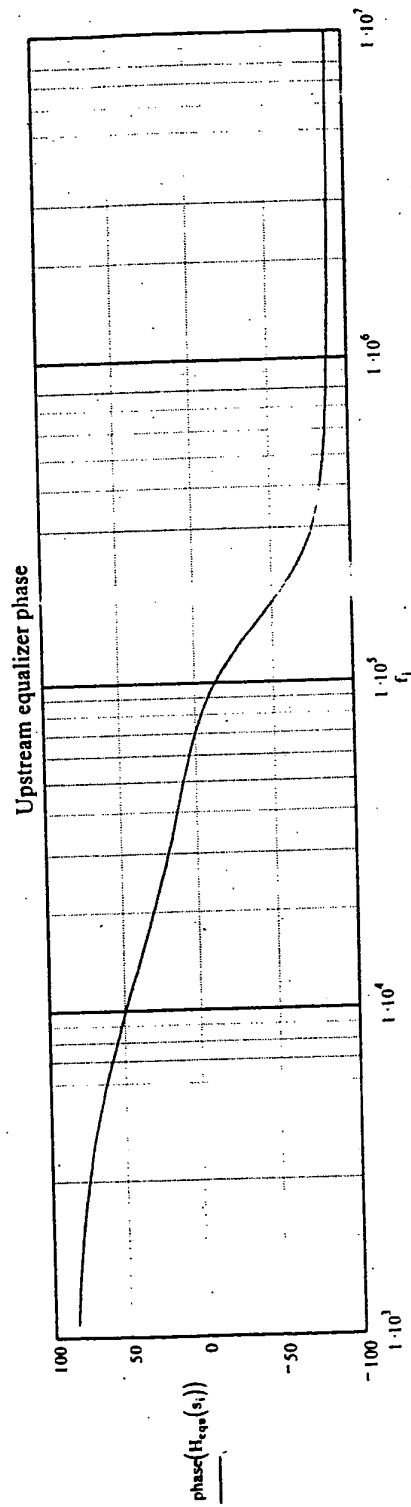


FIG. 16



Downstream Equalizer

FIG. 17

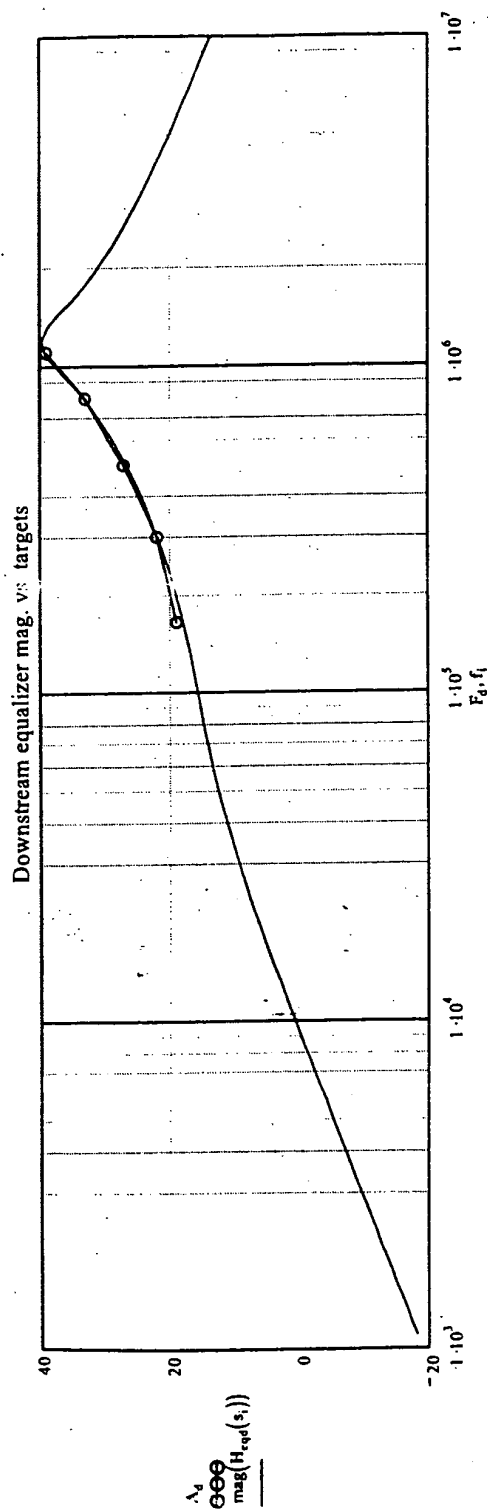


FIG. 17

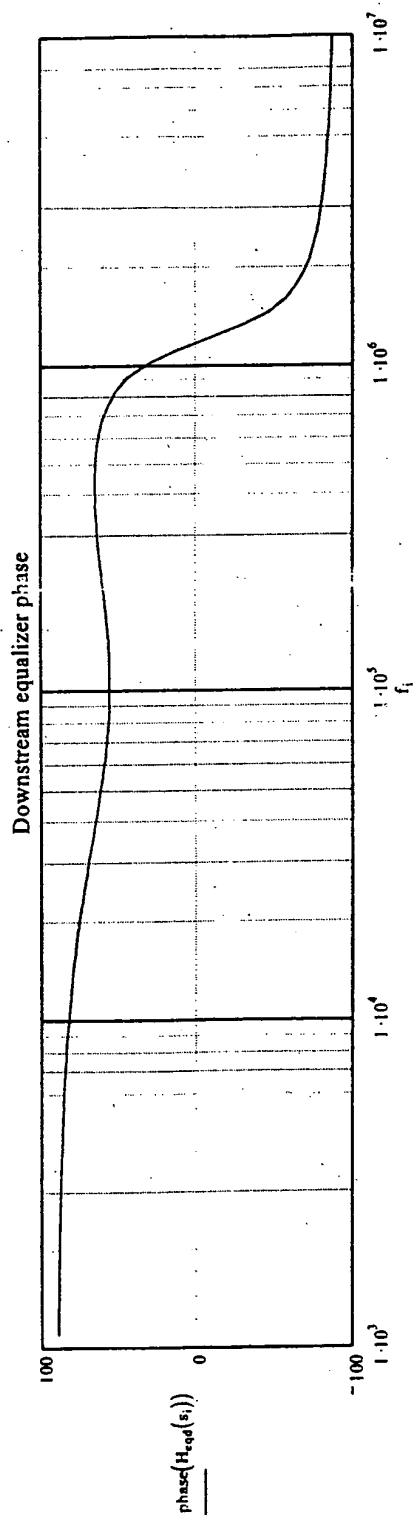


FIG. 18

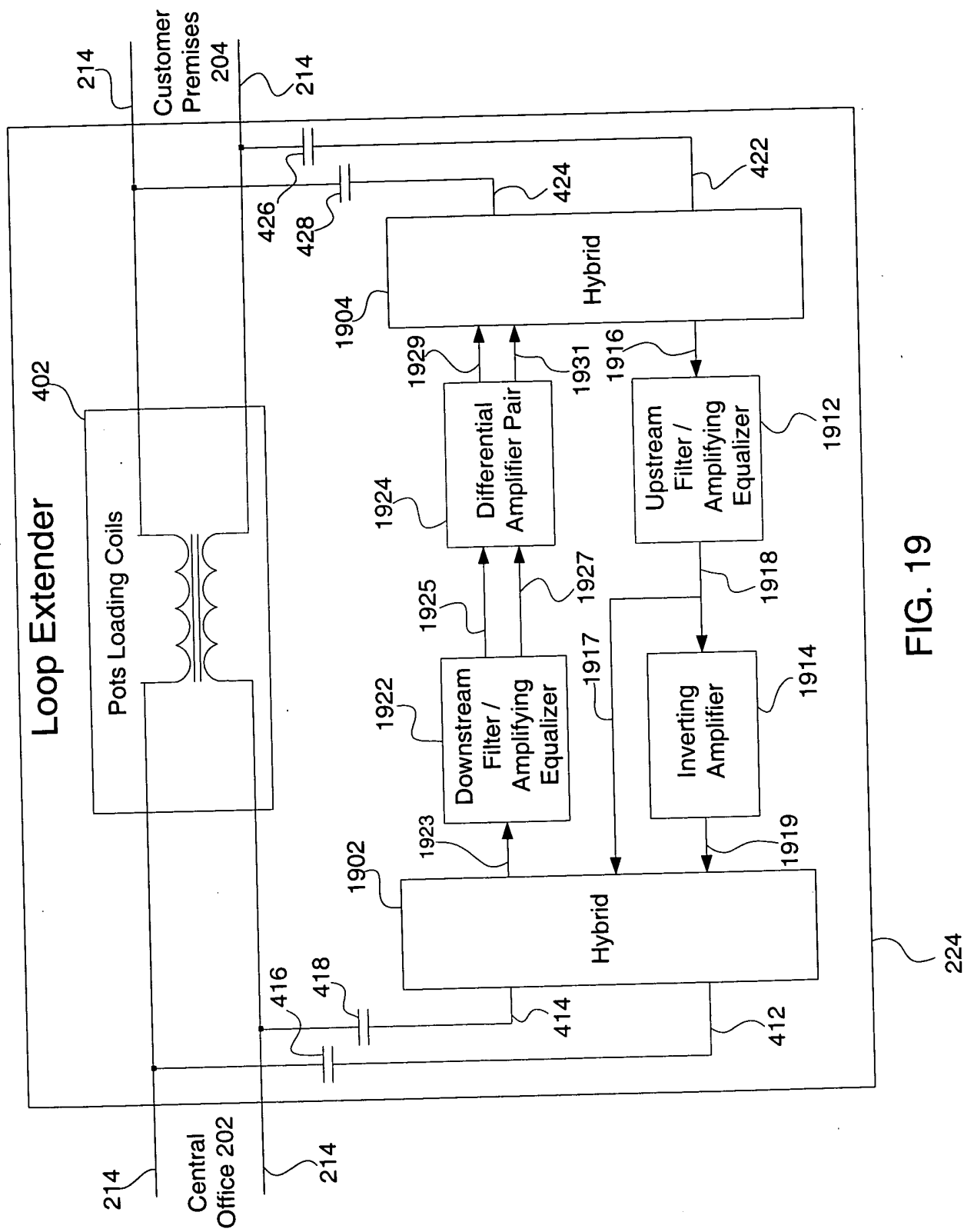


FIG. 19

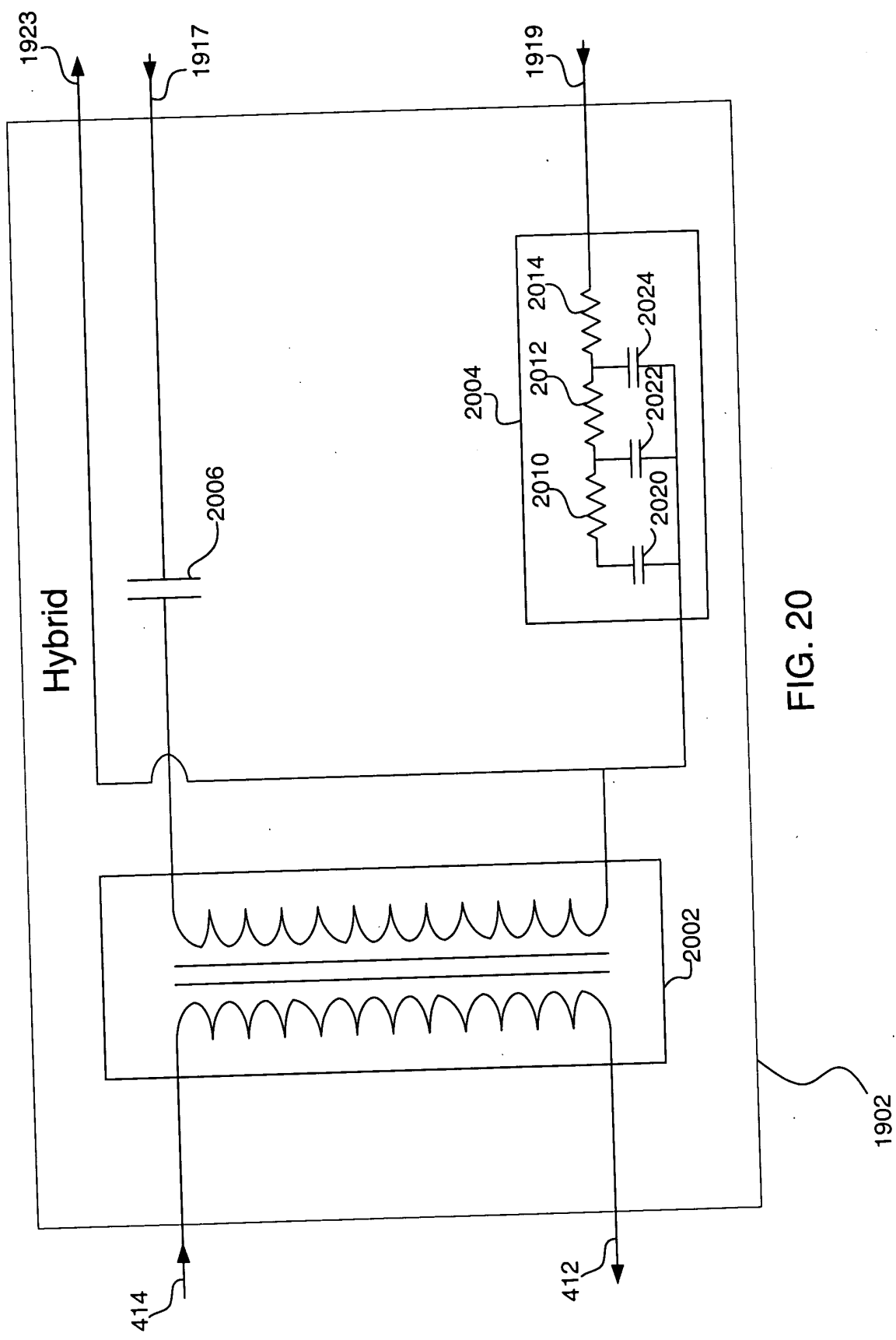


FIG. 20

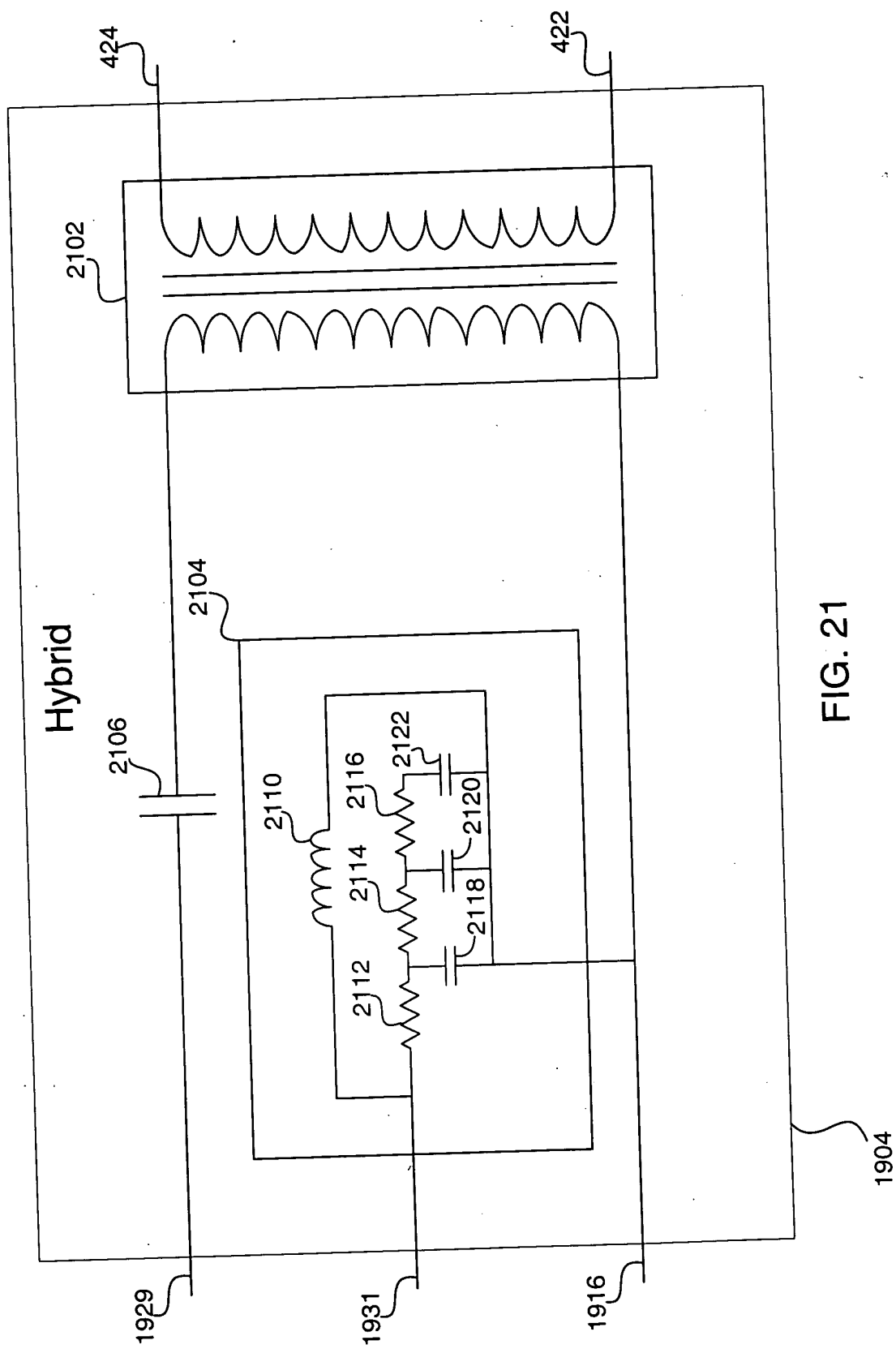


FIG. 21

FIG. 22

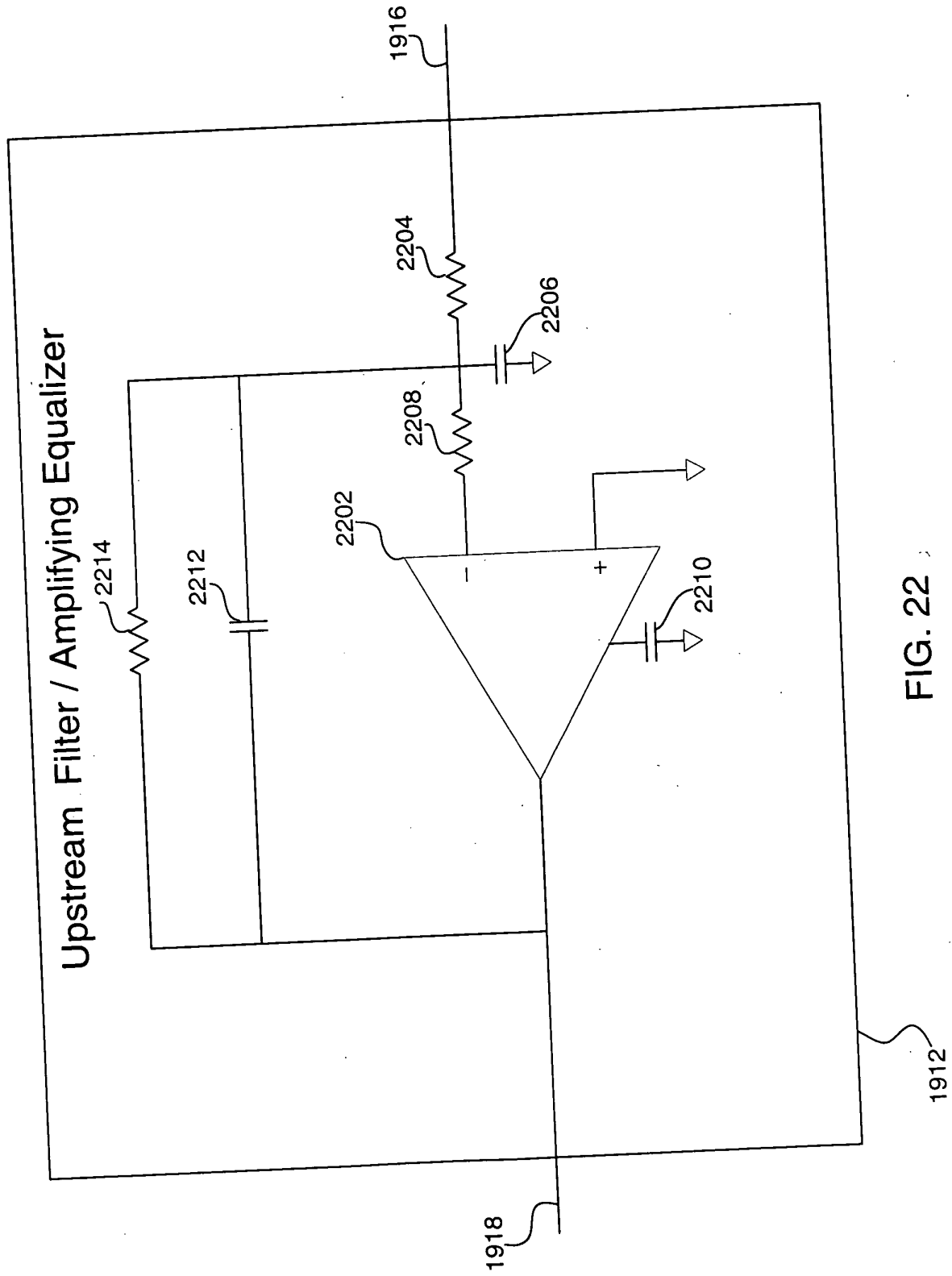
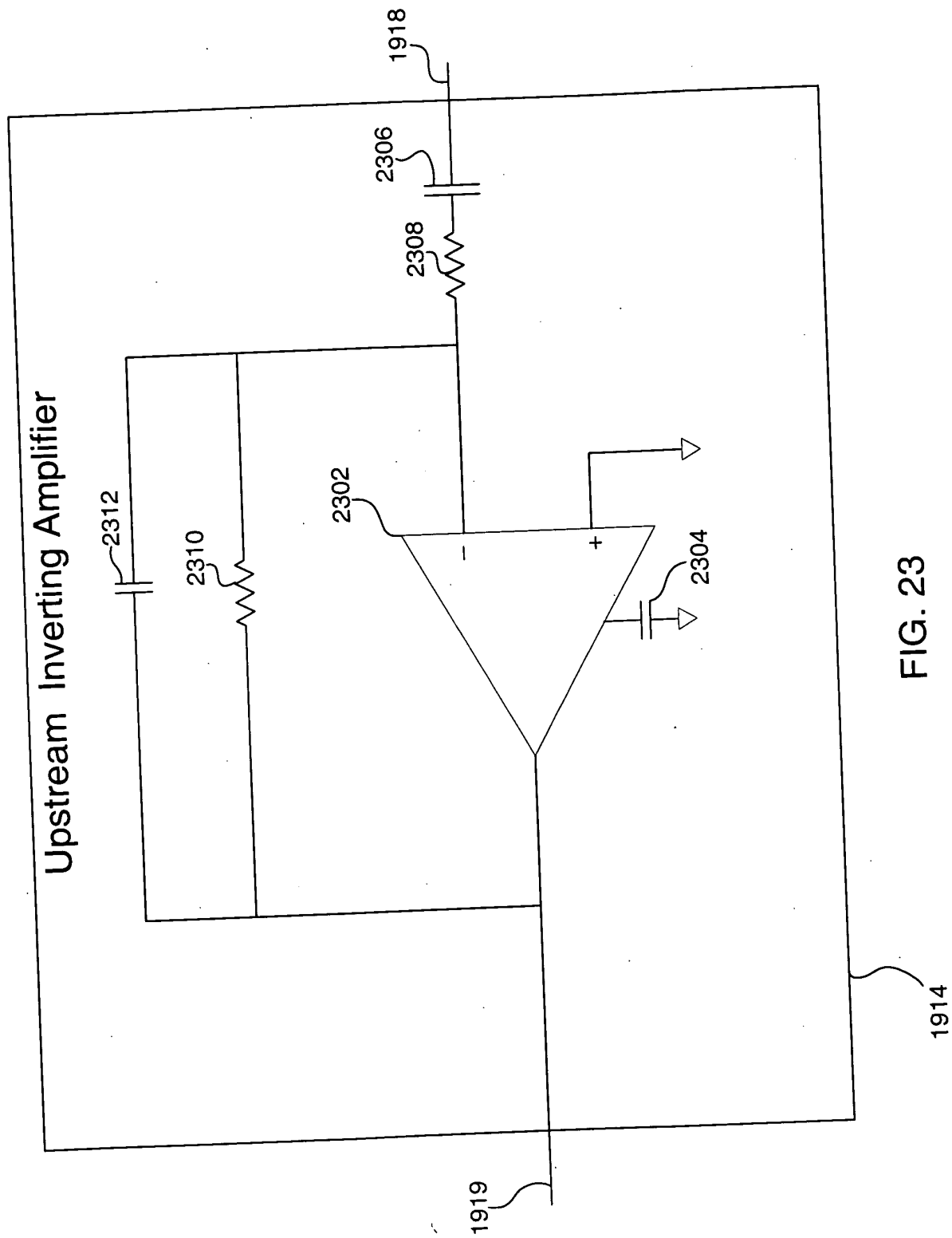


FIG. 22

FIG. 23



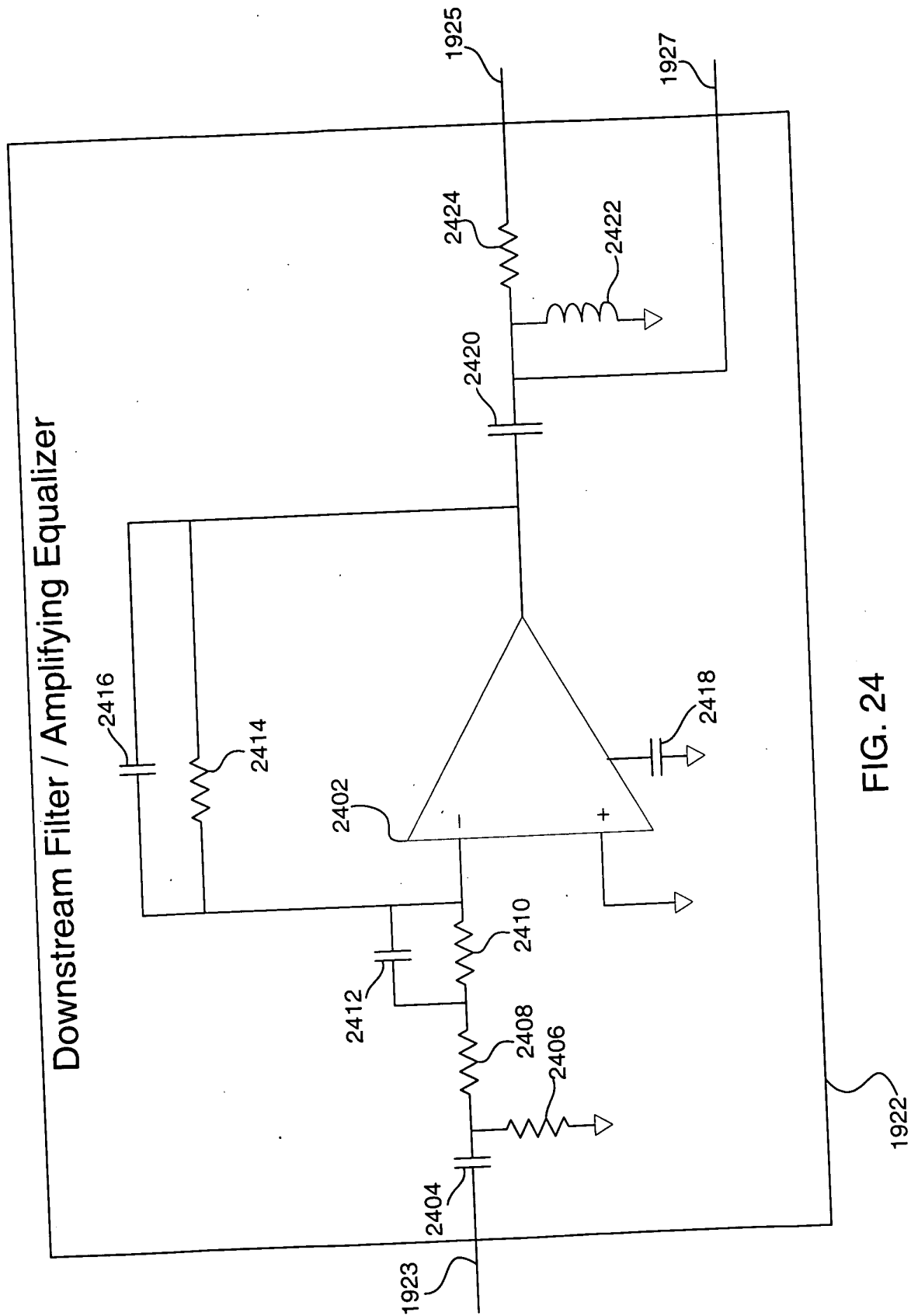


FIG. 24

FIG. 25

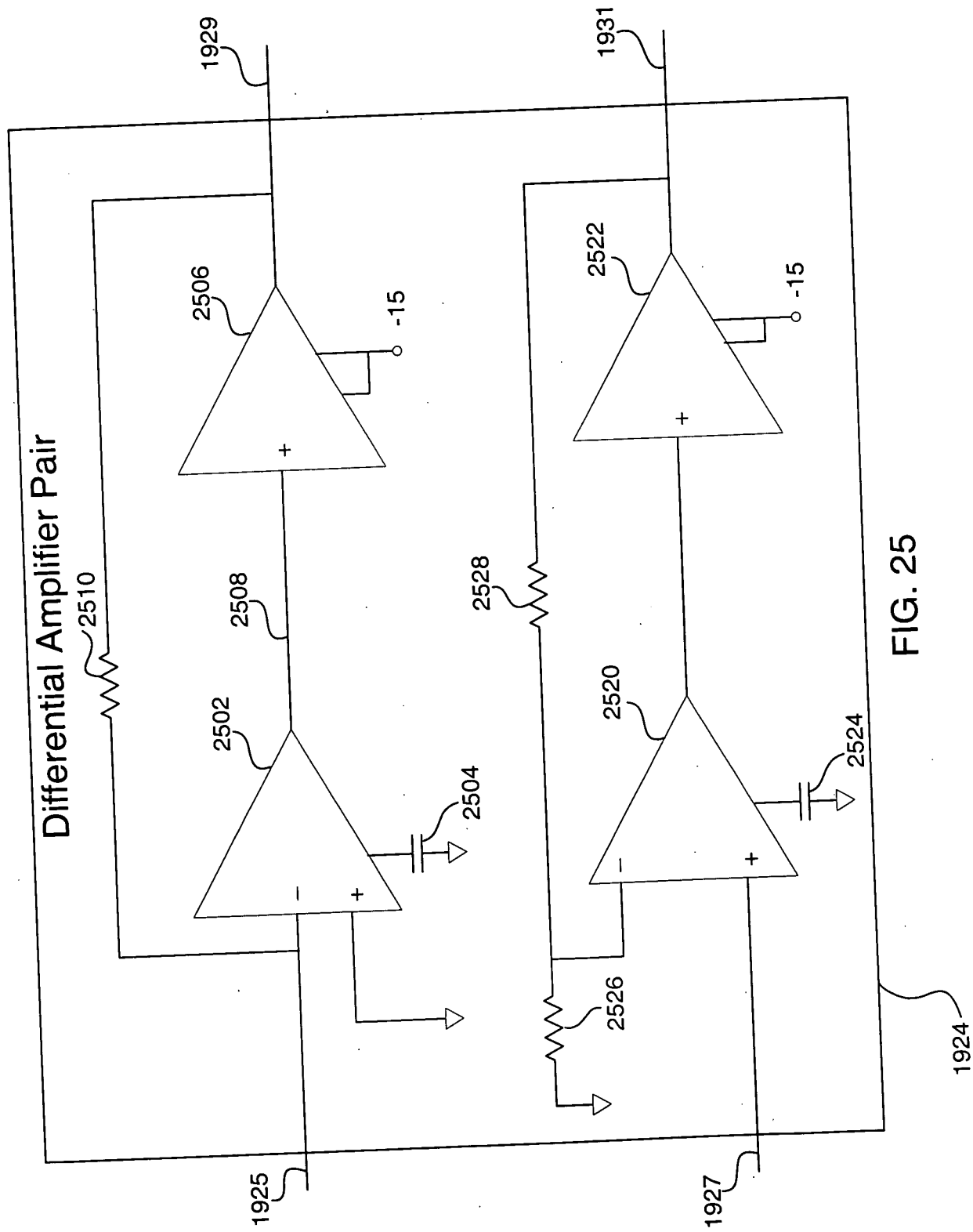


FIG. 25

FIG. 26 = 6648260

actual:

$\begin{pmatrix} 6.371 \\ 7.374 \\ 8.754 \\ 7.48 \\ 5.935 \end{pmatrix}$

$$\text{mag}(H_{\text{equ}}(F_u \cdot 2 \cdot \pi \cdot j)) =$$

target:

$\begin{pmatrix} 5.4 \\ 7.1 \\ 8.1 \\ 8.5 \\ 8.7 \end{pmatrix}$

$$\Lambda_u + G_u =$$

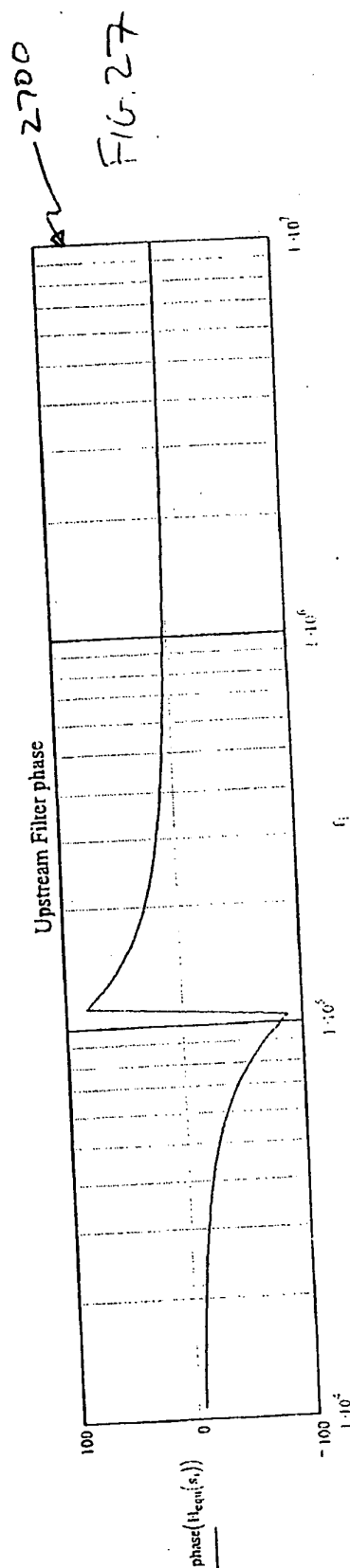
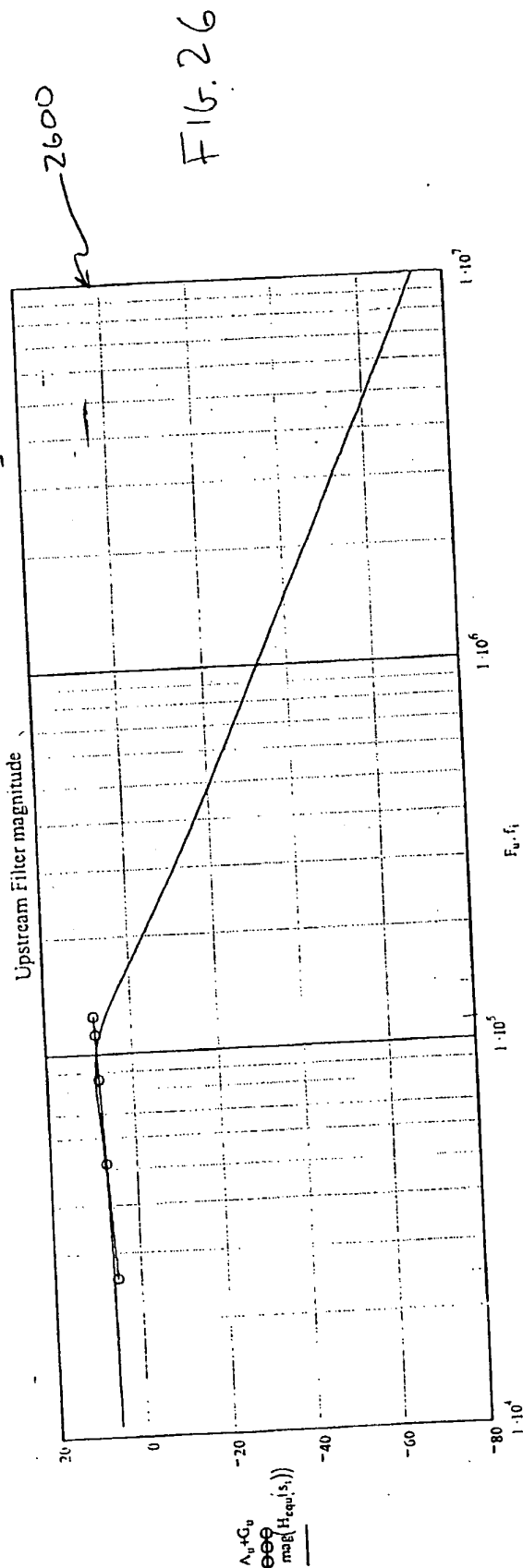


FIGURE 28

